



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,271	02/24/2004	Hideyuki Suzuki	249225US6	8914

22850 7590 09/28/2006

C. IRVIN MCCLELLAND
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
1940 DUKE STREET
ALEXANDRIA, VA 22314

EXAMINER

VU, MICHAEL T

ART UNIT PAPER NUMBER

2617

DATE MAILED: 09/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/784,271	Applicant(s) SUZUKI ET AL.	
	Examiner Michael Vu	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see Remark, filed 08/22/2006, with respect to the rejection(s) of claim(s) 1-26 under 103(a) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Izumi (US 2002/0132584) and Lauper (US 2002/0098830).

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Izumi (US 2002/0132584) in view of Lauper (US 2002/0098830).

Regarding **claims 1, 3, 7, 9, 11, 16**, Izumi teaches a wireless communication system including a plurality of terminals [0015] comprising: an ad-hoc network (Bluetooth [0010]); a first terminal configured to send, using the ad-hoc network (Fig. 7, [0047]), a signal that includes beacon information having an identifier [0045] that

identifies a type of certificate of privilege (certificate authority as registration serial numbers, Fig. 7, [0047-0050]); a second terminal configured to send, using the ad-hoc network (Fig. 8, [0060]) an authentication request to the first terminal in response to the signal sent from the first terminal by providing the type of certificate of privilege which matches the identifier [0014-0015, 0017, 0105-0106],

But Izumi is silent on wherein the certificate of privilege includes encrypted data for certifying the second terminal.

However, Lauper teaches wherein the certificate of privilege includes encrypted (encrypted/encode or cryptographic) data for certifying the second terminal [0005-0020].

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Izumi, such that wherein the certificate of privilege includes encrypted data for certifying the second terminal, to provide the a new distribution system that allows a quick distribution of certificates and further verifying in a mobile device electronics issued by a certification authority.

Regarding **claims 2, 15, 21, 23, 25-26**, Izumi teaches a wireless communication system including a plurality of terminals [0015] comprising: an ad-hoc network (Bluetooth [0010]); a first terminal configured to send [0047], using the ad-hoc network (Fig. 7, [0047]) a signal includes beacon information of the first terminal [0045]; a second terminal configured to send [0060], using the ad-hoc network indicating an operation mode, and an authentication request to the first terminal in response to the signal sent from the first terminal when the operation mode of the first terminal coincides with an operation mode of the second terminal (Fig. 7-8), by providing a certificate of privilege

(certificate authority as registration or serial numbers, Fig. 7, [0047-0050]) indicating a right concerning the operation mode of the second terminal (Fig. 8, [0063-0064]).

But Izumi is silent on wherein the certificate of privilege includes encrypted data for certifying the second terminal.

However, Lauper teaches wherein the certificate of privilege includes encrypted (encrypted/encode or cryptographic) data for certifying the second terminal [0005-0020].

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Izumi, such that wherein the certificate of privilege includes encrypted data for certifying the second terminal, to provide the a new distribution system that allows a quick distribution of certificates and further verifying in a mobile device electronics issued by a certification authority.

Regarding **claims 4, 8, 10, 17, 22, and 24**, Izumi/Lauper teach a terminal according to claim 3, wherein the identifier is a terminal identifier of a terminal that has issued the certificate of privilege (certificate authority as registration numbers, Fig. 7, [0047-0050]) of Izumi.

Regarding **claims 5-6, 12-13, 18-19**, Izumi/Lauper teach a terminal according to claim 3, further comprising: a certificate-of-privilege issuing terminal list table for storing a public key certificate of a terminal that has issued the certificate of privilege (Fig. 7-8, [0015, 0019, 0053]; authentication-request receiving means for receiving a second authentication request from the different terminal in response to the authentication request sent from the authentication request means; and verification means for verifying a second certificate of privilege contained in the second authentication request received

Art Unit: 2617

by the authentication-request receiving means by using a public key contained in the public key certificate stored in the certificate-of-privilege issuing terminal list table ([0014-0017, 0049-0051, 0053] stored registration number or serial number) of Izumi.

Regarding **claims 14 and 20**, Izumi/Lauper teach a terminal according to claim 12, further comprising: a policy table for storing a management policy to be used with the first terminal; and management-policy setting means for setting a management policy contained in the second certificate of privilege in the policy table when the operation-mode checking means determines that the second authentication request is not rejected [0017, 0040, 0053, 0056] of Izumi.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Vu whose telephone number is (571) 272-8131. The examiner can normally be reached on 8:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2617

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



DUC M. NGUYEN
SUPERVISORY PATENT EXAMINER
*, TECHNOLOGY CENTER 2600

Michael Vu